

Abstract

The invention provides a system, a method and a device for manufacturing a truss or
5 framework from joined bar-elements and from connection-elements inserted between
those at the joints, whereby the bar-elements consist of at least one segment of a
material of high-growing plants, and the connection-elements consist of a rigid,
regenerative material; according to the invention, the ends of the bar-elements
and/or the connection-elements are machined in such way that they (it) exhibit(s)
10 surfaces which run along well defined geometrical bodies at least in selected areas,
such, that in the area of the joint of a bar-element with a connection-element or an
additional bar-element on each of the two bodies there is provided one surface which
is running along the lateral surface of a cylinder, cone, prism or pyramid at least in
selected areas, as well as another surface running along the lateral surface of a
15 hollow cylinder, hollow cone, hollow prism and/or a hollow pyramid at least in
selected areas, which can be respectively are plugged together with closely adjoining
surfaces; the device usable for this purpose comprises at least one tool designed as
an ablating tool, particularly as a cutting tool, for machining of at least one
connection-element and/or of the ends of bar-elements which are to be joined to
20 that.